

**REMARKS**

Entry of this Amendment and reconsideration are respectfully requested in view of the remarks made herein.

Claims 1-15 are pending and stand rejected. Claims 1-15 are objected to.

Claims 1, 2, 5, 6, 9 and 13 have been amended. No new matter has been added.

The Information Disclosure Statement (IDS) provided by applicant is objected to for failing to list prior art that is referenced in the specification.

Applicant thanks the examiner for his observation and submits herewith a Supplemental Information Disclosure Statement referencing the prior art submitted in the specification.

With the submission of the Supplemental IDS, applicant respectfully requests that the IDS be entered and the reference considered.

The specification has been objected to for lacking section headings.

Applicant respectfully submits that 37 CFR §1.77(b) discloses a *suggested* format for the arrangement of the disclosure. Applicant respectfully submits that the present disclosure follows the suggested format where applicable. With regard to 37 CFR§1.77(c), which was not cited in the Office Action, Applicant respectfully submits that section headings are suggested but not required, as 37 CFR §1.77(c) clearly states the sections defined in paragraphs (b) (1) through (b) (11) “should” be preceded by a section heading. Applicant respectfully declines to amend the disclosure to include the suggested headings at this time.

The specification is further objected to for failing to maintain consistent usage of subscripts of characters and for the use of claim numbers in the specification.

Applicant thanks the examiner for his observation and has amended the specification to provide consistent usage of subscripts of characters and to remove references to the claim numbers in the specification.

Having amended the specification as described, applicant submits that the reason for the objection has been overcome and respectfully requests entry of the amendment and withdrawal of the objection.

Claims 1-15 are objected to for containing informalities in that subscripts for the characters are not consistently treated as subscripts.

Applicant thanks the examiner for his observation and has amended the specification to provide consistent usage of subscripts of characters. No new matter has been added.

Having amended the claims as described, applicant submits that the reason for the objection has been overcome and respectfully requests entry of the amendment and withdrawal of the objection.

The claims are rejected under 35 USC §112, second paragraph as not particularly pointing out the subject matter regarded as the invention. More specifically, claims 1-15 use the term "orthogonalized" or refer to specific values as "orthogonal."

Applicant thanks the examiner for his observation. However, applicant believes that there is sufficient and consistent disclosure in the specification for one skilled in the art to recognize and understand the principles of the invention using the term orthogonal as described therein. Accordingly, applicant elects not to amend the specification and

equations at this time. Applicant respectfully requests that the rejection be withdrawn and the claims allowed.

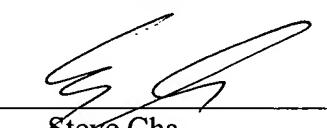
Applicant thanks the examiner for the indication of allowable subject matter in claims 1-15 and believes that for the amendments made to the claims to correct the form and usage of subscripts, the claims are in an allowable form.

For all the foregoing reasons, it is respectfully submitted that all the present claims are patentable in view of the cited references. A Notice of Allowance is respectfully requested.

Respectfully submitted,

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Date: May 10, 2005

  
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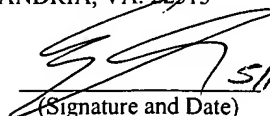
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(Name of Registered Rep.)

 5/10/05  
(Signature and Date)